

February 5, 2001 Project No. 97664V3

Ms. Brenda Pohlmann Nevada Division of Environmental Protection 555 E. Washington, Suite 4300 Las Vegas, NV 89101-1049

Northshore Road bridge.

## **PROVIDING**

- Geotechnical Engineering
- Construction Materials Engineering
- Environmental Engineering
- Drilling Services

Dear Ms. Pohlmann:

RE:

Per your request, Geotechnical & Environmental Services, Inc. (GES) obtained a surface water sample from the Las Vegas wash on January 25, 2001 near the Northshore Road Bridge. We sent this sample, under chain-of-custody protocol, to NEL Laboratories (NEL) for laboratory analysis of perchlorate. NEL's analysis revealed a perchlorate concentration of 280 micrograms per Liter ( $\mu$ g/L). The NEL report is included with this letter, along with a both a Perchlorate Summary Tables for 2000 and 2001.

Results of monthly surface water sampling of the Las Vegas Wash at the

Our services were performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable engineering firms in this or similar localities. No other warranty, either express or implied, is included or intended in this report. We appreciate this opportunity to provide our services. If you have any questions regarding these results, please feel free to call us at 365-1001.

Sincerely,

Geotechnical & Environmental Services, Inc.

Daniel C. Burns, C.E.M.\* #1692 (Expires 10/07/2001)

Project Manager

Gregory P. DeSart, P.E., C.E.M. #1172 (Expires 12/22/2002)

President

\*"I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances."

Enc:

2000 & 2001 Perchlorate Summary Tables

NEL Analytical Report

Dist:

1 faxed to addressee at 486-2863

1 original mailed to addressee

cc: fax to Jeff Gibson, American Pacific Corporation

cc: mail to Kevin Mayer, USEPA SFD 72, 75 Hawthorne Street, San Francisco, CA 94105

cc: to project file 97664V3

## **NEL LABORATORIES**

Reno • Las Vegas • Boise Phoenix • Sacramento

Las Vegas Division 4208 Arcata Way, Suite A • Las Vegas, NV 89030 (702) 657-1010 · Fax: (702) 657-1577 1-888-368-3282

CLIENT:

Geotechnical & Env. Serv.

7150 Placid

Las Vegas, NV 89119

ATTN:

Dan Burns

PROJECT NAME:

**FPF** 

PROJECT NUMBER: 97664 V1

NEL ORDER ID: L0101214

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 1/25/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Stan Van Wagenen Laboratory Manager

CERTIFICATIONS:

AZ0520 AZ0518 Arizona 2002 California 1707 2264

Certified

US Army Corps

of Engineers

Reno Las Vegas S. California AZ0605

Certified

Idaho Certified Montana Nevada NV033 L.A.C.S.D.

Reno Las Vegas S. California Certified Certified Certified

NV052 CA084 10228

**NEL LABORATORIES** 

CLIENT:

Geotechnical & Env. Serv.

PROJECT ID:

**FPF** 

PROJECT #:

97664 V1

TEST: MATRIX: Inorganic Non-Metals Aqueous

CLIENT ID:

North Shore Road Bridge

DATE SAMPLED: 1/25/01

NEL SAMPLE ID: L0101214-01

PARAMETER	RESULT	<u>R. L.</u>	<u>D. F.</u>	METHOD	UNITS	ANALYZED
Perchlorate	280	40.	10	EPA 314	μ <b>g/</b> L	1/29/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

**NEL LABORATORIES** 

CLIENT:

Geotechnical & Env. Serv.

PROJECT ID:

FPF

97664 V1 PROJECT #:

CLIENT ID:

1

Method Blank

DATE SAMPLED: NA

NEL SAMPLE ID: 010129CLO4-BLK

TEST:

Non-Metals

REPORTING

LIMIT RESULT

ND

D. F.

EPA 314

UNITS ANALYZED

µg/L 1/29/01

D.F. - Dilution Factor

PARAMETER

Perchlorate

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

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iss:	Attention: Dan B					Ani	alysis	,	//	//		//			//	/					
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The liability of NEL Laboratories Inc. is limited etricity to the price of sample analysis for those samples not received in good condition by NEL. NEL Is not responsible for loss, damage, resampling costs and/or qualified data related to samples not received in good condition, including adequate sample volume and number of containers. Customer signature of this CoC constitutes acceptance of all NEL Standard Terms and Conditions. Signature also constitutes acceptance of MEL Standard Terms and Conditions. Signature also constitutes acceptance of MEL Standard Terms and Conditions. Signature also constitutes acceptance of MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions. Signature also constitutes acceptance of the MEL Standard Terms and Conditions.

## **LETTER OF TRANSMITTAL**

## GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

7150 Placid Street Las Vegas, Nevada 89119 (702) 365-1001 (702) 341-7120 (FAX)

TO:	Nev Div of Environmental Pr	otection	Date:	February 5	5, 2001
	555 E Washington Ste 43	00	PROJECT:		
	Las Vegas NV 89101				
ATTN:	Ms Brenda Pohlmann	GES PI	ROJECT #	97664	IV3
			····		
WE ARE	E FORWARDING THE ITEMS L	ISTED BELOW VI	<b>A</b> :		
	MESSENGER	PICK UP	x U.S. MA	L	"NEXT DAY"
COPIES	DESCRIPTION				
1	Monthly Surface Water	IV Wash @ North	shore Rd Bridge	a	
	- Worthly Surface Water	EV Wash & North	anore na bhag		
				···	
THESE	ITEMS ARE SENT FOR:	REVIEW	COMMENT	APPROVAL	USE
		SIGN & RETURN	отн	ER:	
REMAR	KS:				
THIS M	ATERIAL IS SENT BY: Dan	iel C. Burns, C.E.N	л.		
	DI PAOP GIOL	LAND DETLINE CO	IF 000V 05 75	ANGRATTA	
	PLEASE SIGN	I AND RETURN ON	IE COPY OF TH	ANSMITTAL.	
RECEIV	ED BY:	TIME:		DATE:	
	DISTRIBUTION:	- Francisco			
т Сору	to Kevin Mayer USEPA in Sar	ı rancisco			<u> </u>

If enclosures are not as noted, please notify us at once.